

ABSTRACT

Signals outputted from oscillators (1·1, 1·2, ..., 1·n) are in phase with signals as reflected by band elimination filters (3·1, 3·2, ..., 3·n) at elimination frequencies of the band elimination filters (3·1, 3·2, ..., 3·n), while they are in opposite phase with signals leaked from the corresponding band elimination filters (3·1, 3·2, ..., 3·n). In this way, a stable oscillation can be performed with the oscillation frequencies of the oscillators (1·1, 1·2, ..., 1·n) balanced as optimum frequencies between the natural frequencies of the oscillators (1·1, 1·2, ..., 1·n) and the elimination frequencies of the band elimination filters (3·1, 3·2, ..., 3·n), while the oscillators (1·1, 1·2, ..., 1·n) can be synchronized with the elimination frequencies being used as reference frequencies.